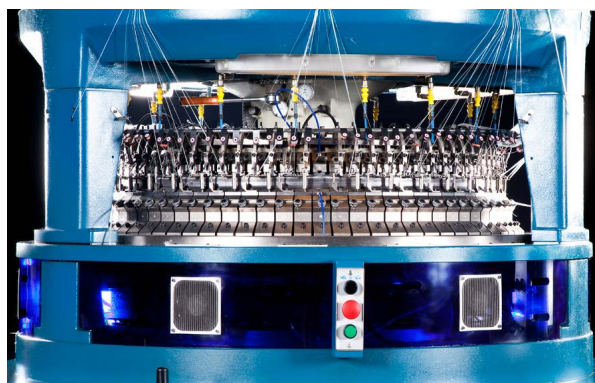




# MAT/E

**Double knit Circular knitting machine with three ways techniques electronic needles selection for the production of jacquard mattress ticking fabrics**



Traditional Orizio modular frame renovated in its functionality, robustness and aesthetics with the new, integrated Orizio 'Oritec' control panel which allows the fruition of new technologies and completes the machine's control with the following functions:

- Diagnostic indication and visualisation of stops and alarms.
- Selection/setting of the reset types.
- Usb connection for quick drawing upload.
- Built-in preparation for connection to the ethernet (LAN) network and production data acquisition.

## Main features:

The standard machine is equipped with a high frame to facilitate the production of huge diameter fabric rolls and the platforms allow to an easy access to the knitting head that has 2 feeds per diametrical inch. Singly tilting yarn carriers are fixed on a single ring to facilitate their adjustment.

The cylinder needles selection is obtained by means of piezo-ceramic actuators (one at each feed with 16 levels) controlled by an electronic elaborator comprising: CPU unit, colour display with tactile keyboard and usb port.

Operative memory capacity: 512 Megabytes for the execution of large patterns and fabrics.

## Obtainable Products:

The machine's textile potentiality are numberless and such to allow the possibility of knitting all the rib-base and interlock-base stitches as well as structures such as double-face, mattress ticking fabrics, two or more colours large dimension jacquard patterns. The electronic needle selection allows for the immediate passage from a structure to another one as well as the partial annulment of the pattern.

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## STANDARD EQUIPMENT

Orizio "Oritec" electronic control.
Motorised feeding units with integrated stops.
Micrometrical stitch adjustment at each feed.
Automatic lubrication on dial and cylinder needles by means of oil pump.
Knitting head and yarn passages cleaning system achieved by a combination of compressed air and blowing fans.
Interlock disposition fixed dial cams for 2, 3, 4 colours pattern.
Modular double-tie side creel.
16 levels piezo-ceramic actuators on the cylinder for the electronic needle-by-needle selection in the 3 ways techniques.
High frame for rolls up to 70 cm diameter.
Platforms for easy access to the knitting head.

## OPTIONAL ACCESSORIES

Memminger-Iro 20L1FK jacquard feeding units.
Elastomeric yarn kit.
Lay-in devices for quilted fabrics.
Orizio Ori-cad software for pattern creation.
Spacer fabric kit.
Lapping device with fixed or removable fabric bin on tubular frame.
Open-width frame for fabrics without side creases.
Circular creel, Antistatic creel, Closed creel with automatic yarn air threading device, Creel with automatic yarn air threading device.
Management interface software for the machines connected to the network.

Diameter	Gauge	Max speed (R.p.m)	Peripheral speed (mt./sec.)	No. of feeds	Motor power (kw)	Net weight (kg)	Gross weight kg (wooden case)	Floor space (m <sup>2</sup> )
38"	18-22	20	1,00	76	10,5	3240	4000	24

Orizio reserves the right to modify at any time and without previous notice the machine's characteristics indicated in this brochure. March 2023

